

PATENT Atty. Dkt. APPM/006766/CPI/L/B/PJS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*๛๛๛๛๛๛๛๛๛๛๛๛* 

In re Application of:

Chen, et al.

Serial No.: 10/712,690

Confirmation No.: 9100

Filed:

November 13, 2003

For:

Apparatus and Method for

Hybrid Chemical Processing

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Group Art Unit: 1734

Examiner:

Rudy Zervigon

CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited on December 1, 2005 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

December 1, 2005

Date

Signature

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/APPM/006766/KMT.

Respectfully submitted,

Keith M. Tackett

Registration No. 32,008

PATTERSON & SHERIDAN, L.L.P.

3 2hr

3040 Post Oak Blvd. Suite 1500

Houston, TX 77056

Telephone: (713) 623-4844 Facsimile: (713) 623-4846 Attorney for Applicant(s) Substitute

EC 0 5 2005

PTO/SB/08a (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

APPM/006766/CPI/L/B/PJS

December 1, 2005

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond collection of information unless it displays a valid OMB control number. 10/712,690 for form 1449A/PTO **Application Number** Filing Date November 13, 2003 SUPPLEMENTAL INFORMATION First Named Inventor Chen, et al. SCLOSURE STATEMENT 1734 Group Art Unit BY APPLICANT **Examiner Name** Rudy Zervigon

Attorney Docket Number

Submission Date

(Use as many sheets as necessary)

Sheet

Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	141		03/22/2005	Yudovsky	rigules Appeal	
	A1	US-6868859	03/15/2005	Lei, et al.		
	A2	US-6866746	11/23/2004	Yudovsky		
	A3	US-6821563	11/16/2004			
	A4	US-6818094	<del> </del>	Yudovsky		
<del> </del>	A5	US-6815285	11/09/2004	Choi, et al.		
	A6	US-6777352	08/17/2004	Tepman, et al.		
	A7	US-6773507	08/10/2004	Jallepally, et al.		
	A8	US-6772072	08/03/2004	Ganguli, et al.		
· · · · · · · · · · · · · · · · · · ·	A9	US-6734020	05/11/2004	Lu, et al.		
	A10	US-6718126	04/06/2004	Lei		
	A11	US-6716287	04/06/2004	Santiago, et al.		
	A12	US-6593484	07/15/2003	Yasuhara, et al.		
	A13	US-6302965	10/16/2001	Umotoy, et al.		
	A14	US-6071572	06/06/2000	Mosely, et al.		
	A15	US-5972430	10/26/1999	DiMeo, Jr., et al.		
	A16	US-5916365	06/29/1999	Sherman		
	A17	US-5173327	12/22/1992	Sandhu, et al.		
	A18	US-5027746	07/02/1992	Frijlink, et al.	* ***	
	A19	US-4761269	08/02/1988	Conger, et al.		
	A20	US-4415275	11/15/1983	Dietrich		
	A21	US-20050104142	05/19/2005	Narayanan, et al.		
	A22	US-20050095859	05/05/2005	Chen, et al.		
···	A23	US-20050059240	03/17/2005	Choi, et al.		
	A24	US-20050006799	01/13/2005	Gregg, et al.		
_	A25	US-20040235285	11/25/2004	Kang, et al.		
	A26	US-20040224506	11/11/2004	Choi, et al.		
	A27	US-20040219784	11/04/2004	Kang, et al.	3	
	A28	US-20040144311	07/29/2004	Chen, et al.		

Date Considered Examiner

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. sKind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. a Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Panerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Substitute 10/712,690 **Application Number** (or form 1449A/PTO November 13, 2003 Filing Date SUPELEMENTAL INFORMATION First Named Inventor Chen, et al. DASCLOSURE STATEMENT Group Art Unit 1734 BY APPLICANT **Examiner Name** Rudy Zervigon Attorney Docket Number APPM/006766/CPI/L/B/PJS (Use as many sheets as necessary) Sheet Submission Date December 1, 2005

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	No.¹	Number-Kind Code <sup>2 (il known)</sup>	MM-DD-YYYY	Applicant of Cited Document		
	A29	US-20040144308	07/29/2004	Yudovsky		
	A30	US-20040071897	04/15/2004	Verplancken, et al.		
	A31	US-20040069227	04/15/2004	Ku, et al.		
	A32	US-20040065255	04/08/2004	Yang, et al.		
	A33	US-20040025370	02/12/2004	Guenther, et al.		
	A34	US-20040016404	01/29/2004	Gregg, et al.		
	A35	US-20040005749	01/08/2004	Choi, et al.		
	A36	US-20030235961	12/25/2003	Metzner, et al.		
	A37	US-20030219942	11/27/2003	Choi, et al.		
	A38	US-20030101938	06/05/2003	Ronsse, et al.		
	A39	US-20030079686	05/01/2003	Chen, et al.		
	A40	US-20030017697	01/23/2003	Choi, et al.		
	A41	US-20020110991	08/15/2002	Li		
	A42	US-20020115886	08/22/2002	Yasuhara, et al.		
	A43	US-20020017242	02/14/2002	Hamaguchi, et al.		
	A44	US-20020009896	01/24/2002	Sandhu, et al.		
	A45	US-20020009544	01/24/2002	McFeely, et al.		

FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T <sup>6</sup>
Initials*	No.'	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B1	EP0 497 267	08/05/1992	Moore, et al.		х
	B2	JP 04-291916 (Eng. Abstract)	10/161992	Murota, et al.		×
	В3	JP 05-047666 (Eng. Abstract)	02/26/1993	Matsumiya, et al.		х
	B4	JP 05-206036 (Eng. Abstract)	08/13/1993	Aoyanagi, et al.		х
	B5	JP 05-234899 (Eng. Abstract)	09/10/1993	Yamamoto, et al.		х
	В6	JP 05-270997 (Eng. Abstract)	10/19/1993	Junichi, et al.		Х
	В7	JP 06-224138 (Eng. Abstract)	08/12/1994	Robaatu,et al.		X

**Date Considered** 

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box	
Please type a plus sign (+) inside this box	+

PTO/SB/08a (07-05)

0.5	Hadasha Basassa	and Oand			Approved for use through 07/31/2006. OMB 0651-00: ent and Trademark Office: U.S. DEPARTMENT OF COMMERC
Substitu	e vor form 1449A/PTO	ork Hegu	CRON ACLO: 1995 NO	Application Number  Filing Date	10/712,690 November 13, 2003
SUPPLEMENTAL INFORMATION SUPPLEMENTAL INFORMATION TRADELING BY APPLICANT				First Named Inventor	Chen, et al.
TRADEMARTE	BY APPLICAN	T	NI	Group Art Unit Examiner Name	1734 Rudy Zervigon
	(Use as many sheets as necessary)			Attorney Docket Number	APPM/006766/CPI/L/B/PJS
Sheet	3	of	3	Submission Date	December 1, 2005

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
	C1	European Search Report dated September 23, 2005 from European Application No. 03257169.7	х			
	-					
xaminer		Date Considered	1			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completion the form cell 1, 200 RTO 0100 Land assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.